

AMENDMENTS TO THE CLAIMS

In the Claims:

The following listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims:

1–8. (Canceled).

9. (Previously Presented) A surgical method of bone surgery for surgical procedures for implantation on an edentulous ridge, characterized in that it provides a surgical treatment on bone tissue by means of a tip set in vibration at a frequency in the ultrasound range, wherein the vibration of the tip is modulated with low frequency pulses, further characterized in that it comprises the following steps:

- horizontal crestal incision on edentulous ridge, by a chisel tip operated by ultrasound, so that it performs an extremely precise and fine incision,
- widening of said incision, by means of a chisel tip, with widened point, operated by ultrasound, to separate the vestibular cortical bone wall from the palatal one,
- creation of at least one implant site on the bottom of the widened horizontal crestal incision, by means of an osteotome tip operated by ultrasound,
- positioning of implants in the implant sites respectively.

10–11. (Canceled).

12. (Currently Amended) A surgical method of bone surgery characterized in that it provides a surgical treatment on bone tissue by means of a tip set in vibration at a frequency in the ultrasound range, wherein the vibration of the tip is modulated with low frequency pulses to produce an extremely fine and precise cut in the bone tissue, further characterized in that it is used for extraction of impacted third molars in the vicinity of the dental alveolus.

13–14. (Canceled).

15. (Currently Amended) A surgical method of bone surgery characterized in that it provides a surgical treatment on bone tissue by means of a tip set in vibration at a frequency in the ultrasound range, wherein the vibration of the tip is modulated with low frequency pulses to produce an extremely fine and precise cut in the bone tissue, further characterized in that it is used for vertebral laminectomy treatments.

16. (Currently Amended) A surgical method of bone surgery characterized in that it provides a surgical treatment on bone tissue by means of a tip set in vibration at a frequency in the ultrasound range, wherein the vibration of the tip is modulated with low frequency pulses to produce an extremely fine and precise cut in the bone tissue, further characterized in that it is used for hand and foot bone surgery.